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Docket No.: 50212-514 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	:	Customer Number: 20277
Motoki KAKUI, et al.	:	Confirmation Number: 8492
Serial No.: 10/615,389	:	Group Art Unit: 3663
Filed: July 09, 2003	:	Examiner: 492

For: OPTICAL AMPLIFICATION MODULE OPTICAL AMPLIFICATION APPARATUS AND OPTICAL COMMUNICATIONS SYSTEM

INFORMATION DISCLOSURE STATEMENT

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In accordance with the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached form PTO-1449. It is respectfully requested that the documents be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

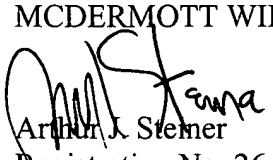
This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

The relevance of the last 5 references listed under section "Other Art" on the 1449, is discussed on page 2 and 3 in the present specification. All other references, we have provided copies to ensure that these references are available. to the Examiner

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

MCDERMOTT WILL & EMERY LLP



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INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(PTO-1449)

ATTY. DOCKET NO.	SERIAL NO.
50212-514	**10/615,389**
APPLICANT: **Motoki KAKUI, et al.**	
FILING DATE: **July 09, 2003**	GROUP: **3663**

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Document Number Number-Kind Code2 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US			

FOREIGN PATENT DOCUMENTS

EXAMINER'S INITIALS	CITE NO.	Foreign Patent Document Country Code3 -Number 4 -Kind Codes (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Figures Appear	Translation Yes	Translation No
		JP 11-317561 with English abstract	11/16/1999	Asahi Glass Co. Ltd.			
		JP 2001-144358 with English abstract	05/25/2001	Asahi Glass Co. Ltd.			
		JP 2001-102661 with English abstract	04/13/2001	Asahi Glass Co. Ltd.			
		JP 2002-048935 with English abstract	02/15/2002	Asahi Glass Co. Ltd.			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER'S INITIALS	CITE NO.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		"Fabrication of Bi_2O_3-based Er-doped waveguide for integrated optical amplifiers" OFC 2002, Tuesday Morining, pp. 11-12
		"Highly-nonlinear Bismuth Oxide-based glass fibers for all-optical signal processing" OFC 2002, Thurthday Afternoon, pp 567-568
		"Broad-band 1.5 um emission of Er3+ ions in bismuth –based oxide glasses for potential WDM amplifier" S> Tanabe, et al., Journal of Luminescience 87-89 (2000), pp 670-672
		"Broadband 1.5um Emission of Er^{3+} Ions in Bismuth-based Oxide Glasses for WDM Amplifier' Naoki SUGIMOTO, LEOS 99, pp. 814-815
		"Fusion Spliceable and High Efficient Bi_2O_3-based EDF for Short-length and Broadband Application Pumped at 1480 nm." Yutaka KUROIWA, OAA 2001, TUL5-1
		"Novel Short-length EDF for C+L Band Amplification" Naoki SUGIMOTO, et al., OAA 2000, PD3-1 – PD 3-3
		"Gain-flattened, extended L-band (1570-1620 nm), high power, low noise erbium-doped fiber ampliflers", S Tanaka, et al., OFC 2002, Tech. Dig., ThJ3, pp. 459-461
		"Utra-Wideband L-band EDFA Using Phosphorus Co-Doped Silica-Fiber" OFC 2002, Tech. Dig., ThJ3, pp. 458
		"Optical Amplification over Extended l-band Employing Silica-Based P/A1 Codoped EDF", Kakui, et al., The 2002 IEICE General Conference C-3-28(with English Translation)
		"Silica based erbium doped fiber extending the L-band t0 1620+ nm" IP. Byriel, et al., Ecoc 2001, Tu. L. 3.5, pg 232-233
		"Extending the L-band to 1620 nm Using MCS Fiber", A.J.E. Ellison, et al., TuA2-1 – 3, OFC2001
		"Broadband Amplification Characteristics of Tellurite-Based EDF As", A. Mori, et al, Tech. Dig., p. 135, ECOC 1997

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.